

**ABSTRACT**  
**For**  
**A RECEIVER AND METHOD OF RECEIVING FOR AN**  
**FDMA/TDMA RADIO SYSTEM**

A receiver which comprises means for receiving a first plurality of signals at different frequencies at the same time, means for generating a second plurality of signals (116), a mixer (114) for receiving, at the same time, the first plurality of signals at different frequencies and one of the second plurality of signals at a time wherein the second plurality of signals are mixed by the mixer (114) in succession, said first plurality of signals being mixed with successive ones of the second plurality of signals and filter means (320) for mixing signals output from said mixer (114), said filter means (120) being arranged to provide a series of samples of the first plurality of signals at the same frequency, wherein each of the said samples are separated in time.

116, 114, 320, 120